



Filter Media Manufacturing



**Powerful adhesives for the lamination of filter media,
especially activated carbon**

High heat resistance

Universal range of applications for established filter media

Filters which are used to ensure a clean supply of fresh air inside vehicles or buildings are manufactured by joining several layers of filter media in a series of successive processing steps.

Jowat hot melt adhesives facilitate superior lamination results with low application amounts in the manufacture of activated carbon filters and multi-layer filter media. The minimal adhesive application ensures that the maximally possible surface area of the activated carbon remains free after the binding to the carrier substrate for the actual purpose – filtering and purifying the air.

Jowat adhesives developed for the lamination of filter media have a neutral odor and are additionally characterized by very low fogging and emission values.

Benefits

- Increased filtration capacity due to low adhesive application amount
- Optimum adhesion facilitates high application amounts of activated carbon
- Neutral odor
- Low fogging and emission values

Jowat-Toptherm® 238.75

PO hot melt adhesive for the manufacturing of filter media, especially for binding activated carbon.

Based on		PO
Processing temperature	[°C]	160–180
Appearance		yellowish, translucent
Viscosity at 170°C	[mPas]	~15,000
Open time	[s]	~28

Jowatherm-Reaktant® 614.18

PUR hot melt adhesive for the manufacturing of filter media, especially for binding activated carbon.

Based on		PUR
Processing temperature	[°C]	100–120
Appearance		colorless, opaque
Viscosity at 110°C	[mPas]	~8,000
Open time	[s]	~75

Jowatherm-Reaktant® MR 614.50

PUR hot melt adhesive with hazard-free labeling for the manufacturing of filter media, especially for binding activated carbon.

Based on		PUR
Processing temperature	[°C]	100–120
Appearance		colorless, opaque
Viscosity at 110 °C	[mPas]	~8,000
Open time	[s]	~75

The information given in this leaflet is based on test results from our laboratories as well as on experience gained in the field, and does in no way constitute any guarantee of properties. Due to the wide variety of different applications, substrates, and processing methods that are beyond our control, no liability may be derived from these indications nor from the information provided by our free technical advisory service. Before processing, please request the corresponding data sheet and observe the information in it. Customer trials under everyday conditions, testing for suitability in normal processing conditions, and appropriate fit-for-purpose testing are absolutely necessary. For the specifications and for further information, please refer to the latest technical data sheets.